

# METOLIGHT® UV-400 UV-Filter-Sleeves



## Product usage

UV radiation from the sun or artificial lights can damage light sensitive compounds in many products. In order to avoid material fading and deterioration it is very important to filter out the ultraviolet light from all light sources in the work environment.

Damaging stray UV is a significant problem in workplaces such as UV curing areas (coating of printed circuit boards, UV curing resins) but also museums, libraries, archives, labs or hospitals but also in offices or stores.

To preserve sensitive and valuable materials, these environments need to control all climate aspects including temperature, humidity and light exposure. What many facilities don't realize is that simply blocking exterior sunlight is not enough. Interior light can produce as much, if not more UV damage. Overhead fluorescent lamps emit significant levels of UV and can have damaging effects on light sensitive materials.

METOLIGHT UV-Filter sleeves are available in various colours. While for industrial usage mostly light yellow or gold-yellow filters are needed to protect UV curing materials the usage of clear UV-filters is recommended where the colour temperature to the human eye shall not be changed. Clear filters are perfect for UV-safe illumination of museums, archives, libraries, medical care, food industry, stores, offices, working halls etc.

In areas where no UV-safe light is needed you can use the sleeves without UV-blocker to protect the PL-tubes against damage (e.g food industry, cabinets, freezers)

## Product Description

**METOLIGHT UV-400** Filter sleeves are made of polycarbonate with built in UV-blocker. Since the UV-blocking is below 400 nm there is no impact to the colour sensitivity to the human eye. The light of fluorescent lamps remains bright and clear without colour change.

The filter sleeves are simply slit over common T5 / T8 tubes, available in all common lengths, special length available upon request.

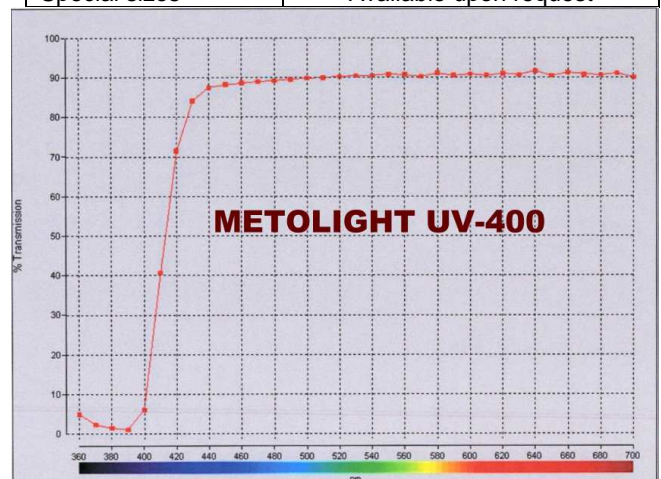
With UV-400 sleeves interfering with the fitment of louvers and diffusers is avoided. The outer diameter of the fluorescent lamps increases for less than 1,5 mm

The UV-400 sleeves comply with common standards such as CE, WEEE, ROHS, BS454.

The UV-400 sleeves are for temperature range of -90°C to +120°C. The use with T5-HO-Tubes is not recommended because of heat generation of such tubes.

## Available sizes

Tube type	T5 – 16 mm	T8 – 26 mm
Power	Length	Length
6 Watt	230 mm	
8 Watt	300 mm	
13 Watt	525 mm	
14 Watt	549 mm	
15 Watt		450 mm
18 Watt		600 mm
21 Watt	849 mm	
28 Watt / 54 Watt	1149 mm	
30 Watt		900 mm
35 Watt	1449 mm	
36 Watt		1200 mm
58 Watt		1500 mm
70 Watt		1800 mm
Outer diameter	17,5 mm	27,5 mm
Special sizes	Available upon request	



## Technical Data:

Material: Polycarbonate, glass clear  
 Wall thickness: 0,45 mm  
 Outer diameter: 17,5 mm (T5), 27,5 mm (T8)  
 UV-Blocking: below 400 nm  
 Temperature range: -90°C to +120°C  
 Standards comply: RTI 125, UL94, Glow wire test 850°C, IEC695-2-1; BS454 1989 CE, ROHS, WEEE

## Notes:

Not recommended for HO-tubes. Only use in lamps with electronic ballast. Frequently check of UV density, since the UV blocking agent fades with time. Not resistant to solvent cleaners or alcohol cleaners